

05/25



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/051,841

DATE: 02/07/2002
TIME: 12:53:11

Input Set : D:\AHP 98133.txt
Output Set: N:\CRF3\02072002\J051841.raw

SEQUENCE LISTING

ENTERED

4 (1) GENERAL INFORMATION:
 6 (i) APPLICANT: YOUNG, KATHLEEN H.
 7 RHODES, KENNETH J.
 9 (ii) TITLE OF INVENTION: METHODS FOR IDENTIFYING MODULATORS OF
 10 N-TYPE ION CHANNEL INACTIVATION
 12 (iii) NUMBER OF SEQUENCES: 23
 14 (iv) CORRESPONDENCE ADDRESS:
 15 (A) ADDRESSEE: AMERICAN HOME PRODUCTS CORPORATION
 16 (B) STREET: FIVE GIRALDA FARMS -- ATTN. KAY E. BRADY
 17 (C) CITY: MADISON
 18 (D) STATE: NEW JERSEY
 19 (E) COUNTRY: US
 20 (F) ZIP: 07940
 22 (v) COMPUTER READABLE FORM:
 23 (A) MEDIUM TYPE: CD-R
 24 (B) COMPUTER: IBM PC compatible
 25 (C) OPERATING SYSTEM: WINDOWS NT
 26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
 28 (vi) CURRENT APPLICATION DATA:
 C--> 29 (A) APPLICATION NUMBER: US/10/051,841
 C--> 30 (B) FILING DATE: 17-Jan-2002
 31 (C) CLASSIFICATION:
 33 (viii) ATTORNEY/AGENT INFORMATION:
 34 (A) NAME: BOGLE, GAVIN T.
 35 (B) REGISTRATION NUMBER:
 36 (C) REFERENCE/DOCKET NUMBER: AHP 98133 C1
 38 (ix) TELECOMMUNICATION INFORMATION:
 39 (A) TELEPHONE: (617) 665-8079
 40 (B) TELEFAX: (617) 876-5851
 44 (2) INFORMATION FOR SEQ ID NO: 1:
 46 (i) SEQUENCE CHARACTERISTICS:
 47 (A) LENGTH: 16 amino acids
 48 (B) TYPE: amino acid
 49 (C) STRANDEDNESS: not relevant
 W--> 50 (D) TOPOLOGY: not relevant
 52 (ii) MOLECULE TYPE: peptide
 54 (vi) ORIGINAL SOURCE:
 55 (A) ORGANISM: Homo sapiens
 59 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 61 Gln Ile Leu Gly Gln Thr Leu Lys Ala Ser Met Arg Glu Leu Gly Leu
 62 1 5 10 15
 65 (2) INFORMATION FOR SEQ ID NO: 2:

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/051,841

DATE: 02/07/2002
TIME: 12:53:11

Input Set : D:\AHP 98133.txt
Output Set: N:\CRF3\02072002\J051841.raw

67 (i) SEQUENCE CHARACTERISTICS:
 68 (A) LENGTH: 16 amino acids
 69 (B) TYPE: amino acid
 70 (C) STRANDEDNESS: not relevant
 W--> 71 (D) TOPOLOGY: not relevant
 73 (ii) MOLECULE TYPE: peptide
 75 (vi) ORIGINAL SOURCE:
 76 (A) ORGANISM: Homo sapiens
 80 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 82 Gln Ile Leu Gly His Thr Leu Arg Ala Ser Met Arg Glu Leu Gly Leu
 83 1 5 10 15
 86 (2) INFORMATION FOR SEQ ID NO: 3:
 88 (i) SEQUENCE CHARACTERISTICS:
 89 (A) LENGTH: 48 base pairs
 90 (B) TYPE: nucleic acid
 91 (C) STRANDEDNESS: single
 92 (D) TOPOLOGY: linear
 94 (ii) MOLECULE TYPE: DNA (genomic)
 96 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
 98 GATCCTGGGC CAGACCCTCA AAGCTAGTAT GAGAGAGCTA GGGCTGCT 48
 102 (2) INFORMATION FOR SEQ ID NO: 4:
 104 (i) SEQUENCE CHARACTERISTICS:
 105 (A) LENGTH: 48 base pairs
 106 (B) TYPE: nucleic acid
 107 (C) STRANDEDNESS: single
 108 (D) TOPOLOGY: linear
 110 (ii) MOLECULE TYPE: DNA (genomic)
 112 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
 114 GATCCTGGGC CACACCCTCA GAGCCAGCAT GCGGGAACTG GCCCTTCT 48
 119 (2) INFORMATION FOR SEQ ID NO: 5:
 121 (i) SEQUENCE CHARACTERISTICS:
 122 (A) LENGTH: 30 amino acids
 123 (B) TYPE: amino acid
 124 (C) STRANDEDNESS: not relevant
 W--> 125 (D) TOPOLOGY: not relevant
 127 (ii) MOLECULE TYPE: peptide
 129 (vi) ORIGINAL SOURCE:
 130 (A) ORGANISM: Homo sapiens
 134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
 136 Met Gln Val Ser Ile Ala Cys Thr Glu His Asn Leu Lys Ser Arg Asn
 137 1 5 10 15
 139 Gly Glu Asp Arg Leu Leu Ser Lys Gln Ser Ser Thr Ala Pro
 140 20 25 30
 142 (2) INFORMATION FOR SEQ ID NO: 6:
 144 (i) SEQUENCE CHARACTERISTICS:
 145 (A) LENGTH: 30 amino acids
 146 (B) TYPE: amino acid
 147 (C) STRANDEDNESS: not relevant
 W--> 148 (D) TOPOLOGY: not relevant

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/051,841

DATE: 02/07/2002
TIME: 12:53:11

Input Set : D:\AHP 98133.txt
Output Set: N:\CRF3\02072002\J051841.raw

150 (ii) MOLECULE TYPE: peptide
152 (vi) ORIGINAL SOURCE:
153 (A) ORGANISM: Homo sapiens
157 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
159 Met Glu Val Ala Met Val Ser Ala Glu Ser Ser Gly Cys Asn Ser His
160 1 5 10 15
162 Met Pro Tyr Gly Tyr Ala Ala Gln Ala Arg Ala Arg Glu Arg
163 20 25 30

166 (2) INFORMATION FOR SEQ ID NO: 7:

168 (i) SEQUENCE CHARACTERISTICS:
169 (A) LENGTH: 90 base pairs
170 (B) TYPE: nucleic acid
171 (C) STRANDEDNESS: single
172 (D) TOPOLOGY: linear

174 (ii) MOLECULE TYPE: DNA (genomic)

176 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

178 ATGCAAAGTCT CCATAGCCTG CACAGAGCAC AATTGAAGA GTGGAATGG TGAGGACCGA 60
180 CTTCTGAGCA AGCAGAGCTC CACCGCCCCC 90

185 (2) INFORMATION FOR SEQ ID NO: 8:

187 (i) SEQUENCE CHARACTERISTICS:
188 (A) LENGTH: 90 base pairs
189 (B) TYPE: nucleic acid
190 (C) STRANDEDNESS: single
191 (D) TOPOLOGY: linear

193 (ii) MOLECULE TYPE: DNA (genomic)

195 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

197 ATGGAGGTTG CAATGGTGAG TGCAGGAGAGC TCAGGGTGCA ACAGTCACAT GCCTTATGGT 60
199 TATGCTGCC AGGCCCCGGC CCGGGAGCGG 90

202 (2) INFORMATION FOR SEQ ID NO: 9:

204 (i) SEQUENCE CHARACTERISTICS:
205 (A) LENGTH: 59 base pairs
206 (B) TYPE: nucleic acid
207 (C) STRANDEDNESS: single
208 (D) TOPOLOGY: linear

210 (ii) MOLECULE TYPE: DNA (genomic)

213 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

215 CATGGAGCTC TTCAATCGGGG TCATCCTGTT TTCTAGTGCA GTGTACTTG CCGAGTAAG 59

218 (2) INFORMATION FOR SEQ ID NO: 10:

220 (i) SEQUENCE CHARACTERISTICS:
221 (A) LENGTH: 59 base pairs
222 (B) TYPE: nucleic acid
223 (C) STRANDEDNESS: single
224 (D) TOPOLOGY: linear

226 (ii) MOLECULE TYPE: DNA (genomic)

228 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

230 GATCCTTACT CGGCAAAGTA CACTGCACTA GAAAACAGGA TGACCCCGAT GAAGAGCTC 59

233 (2) INFORMATION FOR SEQ ID NO: 11:

235 (i) SEQUENCE CHARACTERISTICS:
236 (A) LENGTH: 55 base pairs

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/051,841

DATE: 02/07/2002
TIME: 12:53:11

Input Set : D:\AHP_98133.txt
Output Set: N:\CRF3\02072002\J051841.raw

237	(B) TYPE: nucleic acid	
238	(C) STRANDEDNESS: single	
239	(D) TOPOLOGY: linear	
241	(ii) MOLECULE TYPE: DNA (genomic)	
245	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:	
247	CCGAATTCTGA CATATGAAAA TGCAAGTCTC CATAGCCTGC ACAGAGCACA ATTTG	55
250	(2) INFORMATION FOR SEQ ID NO: 12:	
252	(i) SEQUENCE CHARACTERISTICS:	
253	(A) LENGTH: 42 base pairs	
254	(B) TYPE: nucleic acid	
255	(C) STRANDEDNESS: single	
256	(D) TOPOLOGY: linear	
258	(ii) MOLECULE TYPE: DNA (genomic)	
260	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:	
262	ACGGATCCCC GAATTCCATT ATGATCTATA GTCCTTCTTG CT	42
265	(2) INFORMATION FOR SEQ ID NO: 13:	
267	(i) SEQUENCE CHARACTERISTICS:	
268	(A) LENGTH: 45 base pairs	
269	(B) TYPE: nucleic acid	
270	(C) STRANDEDNESS: single	
271	(D) TOPOLOGY: linear	
273	(ii) MOLECULE TYPE: DNA (genomic)	
275	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:	
277	ACGGATCCCC GAATTCCATT AATCTGAAAT TTGACCTCCA AATGT	45
280	(2) INFORMATION FOR SEQ ID NO: 14:	
282	(i) SEQUENCE CHARACTERISTICS:	
283	(A) LENGTH: 59 base pairs	
284	(B) TYPE: nucleic acid	
285	(C) STRANDEDNESS: single	
286	(D) TOPOLOGY: linear	
288	(ii) MOLECULE TYPE: DNA (genomic)	
290	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:	
292	CATGGAGCAG ATCCTGGGCC ACACCCTGAG AGCCAGCATG CGGGAACTGG GCCTTTAAG	59
295	(2) INFORMATION FOR SEQ ID NO: 15:	
297	(i) SEQUENCE CHARACTERISTICS:	
298	(A) LENGTH: 59 base pairs	
299	(B) TYPE: nucleic acid	
300	(C) STRANDEDNESS: single	
301	(D) TOPOLOGY: linear	
303	(ii) MOLECULE TYPE: DNA (genomic)	
305	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:	
307	GATCCTTAAA GGCCCAGTTC CGGCATGCTG GCTCTGAGGG TGTGGCCAG GATCTGCTC	59
310	(2) INFORMATION FOR SEQ ID NO: 16:	
312	(i) SEQUENCE CHARACTERISTICS:	
313	(A) LENGTH: 60 base pairs	
314	(B) TYPE: nucleic acid	
315	(C) STRANDEDNESS: single	
316	(D) TOPOLOGY: linear	
318	(ii) MOLECULE TYPE: DNA (genomic)	

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/051,841

DATE: 02/07/2002
TIME: 12:53:11

Input Set : D:\AHP 98133.txt
Output Set: N:\CRF3\02072002\J051841.raw

320 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
322 CGAATTCTATA TCGGGATCCG TAGAATGGAG GTTGCAATGG TGAGTGCGGA GAGCTCAGGG 60
325 (2) INFORMATION FOR SEQ ID NO: 17:
327 (i) SEQUENCE CHARACTERISTICS:
328 (A) LENGTH: 41 base pairs
329 (B) TYPE: nucleic acid
330 (C) STRANDEDNESS: single
331 (D) TOPOLOGY: linear
333 (ii) MOLECULE TYPE: DNA (genomic)
335 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
337 GGTGACGAA TTCGTTACCT TGCAGGATCG GAGCTCTCGT G 41
340 (2) INFORMATION FOR SEQ ID NO: 18:
342 (i) SEQUENCE CHARACTERISTICS:
343 (A) LENGTH: 59 base pairs
344 (B) TYPE: nucleic acid
345 (C) STRANDEDNESS: single
346 (D) TOPOLOGY: linear
348 (ii) MOLECULE TYPE: DNA (genomic)
350 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
352 CATGGAGCAG ATCCTGGGCC ACACCCTCAG AGCCAGCATG CGGCAACTGG GCCTTTAAG 59
355 (2) INFORMATION FOR SEQ ID NO: 19:
357 (i) SEQUENCE CHARACTERISTICS:
358 (A) LENGTH: 59 base pairs
359 (B) TYPE: nucleic acid
360 (C) STRANDEDNESS: single
361 (D) TOPOLOGY: linear
363 (ii) MOLECULE TYPE: DNA (genomic)
365 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
367 GATCCTTAAA GGCCCAGTTG CCGCATGCTG GCTCTGAGGG TGTGGCCAG GATCTGCTC 59
370 (2) INFORMATION FOR SEQ ID NO: 20:
372 (i) SEQUENCE CHARACTERISTICS:
373 (A) LENGTH: 59 base pairs
374 (B) TYPE: nucleic acid
375 (C) STRANDEDNESS: single
376 (D) TOPOLOGY: linear
378 (ii) MOLECULE TYPE: DNA (genomic)
380 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
382 AATTCCCTCTT CATCGGGGTC ATCCTGTTT CTAGTGCAGT GTACTTGCC GAGTAAGCC 59
385 (2) INFORMATION FOR SEQ ID NO: 21:
387 (i) SEQUENCE CHARACTERISTICS:
388 (A) LENGTH: 59 base pairs
389 (B) TYPE: nucleic acid
390 (C) STRANDEDNESS: single
391 (D) TOPOLOGY: linear
393 (ii) MOLECULE TYPE: DNA (genomic)
395 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
397 TCGAGGCTTA CTCGGCAAAG TACACTGCAC TAGAAAACAG GATGACCCCG ATGAAGAGG 59
400 (2) INFORMATION FOR SEQ ID NO: 22:
402 (i) SEQUENCE CHARACTERISTICS:

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/051,841

DATE: 02/07/2002
TIME: 12:53:12

Input Set : D:\AHP 98133.txt
Output Set: N:\CRF3\02072002\J051841.raw

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:50 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=1
L:71 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=2
L:125 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=5
L:148 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=6